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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/563,091

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EXAMINER

NGUYEN, TAI V

ART UNIT

PAPER NUMBER

3729

MAIL DATE

DELIVERY MODE

05/13/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/563,091	Applicant(s) THOMASSEN, JACOBUS A.M.	
	Examiner TAI NGUYEN	Art Unit 3729	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 8-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/18/2009 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 8-13, 19 and 20 as are rejected under 35 U.S.C. 102(b) as being anticipated by Kanayama et al (US 5,894,657).

Kanayama et al disclose a component mounting device comprising: an elongated transport device 50 that is configured to transport a substrate 16 in a transport direction parallel to the transport device 50 (see Fig. 9A, col. 7, lines 13-31); at least one component feeder 400 that is located along a longitudinal side of the transport device 50 (see Fig. 9A); at least one component pick-and-place unit 11/13 that is configured to pick-up a component from the feeder section of the component feeder 400 (see Fig. 9A,

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col. 7, lines 32-35); and place the component on the substrate 16 (see Fig. 9A, col. 7, lines 32-46); and at least one substrate support such as 17/18 positioned on a longitudinal side of the transport device 50 which is opposite from the longitudinal side at which the component feeder 400 is located, the at least one substrate support 17/18 which is moving in a longitudinal direction in away that extend perpendicular to the transport device 50 (see various related Figs. 1, 9A, and 11, which shows rail 50 crossing the rail 50 and wherein the table 17/18 is being opposites the feeder 400).

As applied to claim 9, Kanayama et al disclose the substrate support 17/18 which is detachably connected to one the component placement device (see either of Figs. 1, 9A, or 11).

As applied to claim 10, Kanayama et al disclose the substrate support 17/18 further comprises drive means for transporting the substrate in a feeding direction which represent by an arrow "Y" in Fig. 9A.

As applied to claim 11, Kanayama et al disclose wherein the transport device 50 comprises two guide rail that extends parallel to the transport direction, wherein the at least one guide profile is connected to the substrate support 17/18, and wherein the guide rail 50 is configured to be moved simultaneously with the substrate support 17/18 in a direction that extends transverse to the transport direction perpendicular to transport direction (see Fig. 9A, col. 7, lines 32 to col. 8, lines 22).

As applied to claims 12 and 13, it is clearly that the substrate support 17/18 of the Kanayama et al having a parallel guide rail on top of 17 (see Fig. 9A).

As applied to claim 19, Kanayama et al disclose the substrate support 17/18 is connected to either side of the transport device 50 opposite the at least one component feeder 400, and wherein the substrate support 17/18 extends perpendicular to the transport direction and moves the substrate in a direction perpendicular to the transport direction as shown in “Y” arrow (see Fig. 9A).

As applied to claim 20, Kanayama et al disclose a component placement device comprising: an elongated transport device 50 for transporting a substrate in a transport direction parallel to the transport device (see Fig. 9A); component feeders 400 is located only on one longitudinal side of the transport device 50 (see Fig. 9A, and col.7, line 32 to col. 8, line 22); and two component pick-and-place unit 11 and 13 that is configured to pick-up a component 11/13 from one of component feeder 400 (see Fig. 9A, col. 7, lines 32-67): and mounting the component on the substrate 16 (see Fig. 9A); and at least one substrate support is board stage 17/18 connectively attached to the transport device 50 as shown in Fig. 9A. Note: the table 17/18 being opposite from the longitudinal side at which the component feeder 400 and extends perpendicular to the transport device 50, because the 17/18 extend beyond the transport device 50 which result in configured that the support table 17/18 being opposite to feeder 400.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kanayama et al in view of Munezane et al (US 6,000,123).

Kanayama et al do not teach the claimed adjustable guide rails. The Munezane teaches that (see Fig. 6 of the Munezane, which depicts the adjustable guide members by motor 32 for accommodative a various size of print circuit board). Therefore, it would have been obvious to one of ordinary skill in the art at this time the invention was made to employ the Munezane's teaching of adjustable guide member for supporting number of print circuit board w/ different sizes in length and width or the like, with the adjustable support guide. The motivation for this combination perhaps can be obtained by either references i.e., see col. 10, lines 1-9 and Fig. 6 of the Munezane.

Response to Arguments

Note: Applicant's arguments with respect to the rejected claims bases on the previous rejection have been acknowledged.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAI NGUYEN whose telephone number is (571)272-4567. The examiner can normally be reached on M-F (7:30 A.M - 4:30 P.M).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on 571-272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

tn
4/6/09

/Minh Trinh/
Primary Examiner, Art Unit 3729